

**MILLCREEK TOWNSHIP SEWER AUTHORITY**

MILLCREEK MUNICIPAL BUILDING  
3608 WEST 26TH STREET  
ERIE, PENNSYLVANIA 16506

Phone (814) 835-6721

Fax (814) 835-6615

May 11, 2005

Ms. Jennifer Hill, Compliance Specialist  
Water Management  
PA DEP  
230 Chestnut Street  
Meadville PA 16335-3481

RE: Kearsarge Area Sanitary Sewer Overflows

Dear Ms. Hill:

On April 5, 2005, this area was negatively impacted by melting snow and excessive runoff. As a result, Millcreek Township was forced to bypass at the Kearsarge Station only from 7:20 PM to 10 PM.

A copy of the Engineer's Report is attached for your information.

In accordance with the most recent COA, we have enclosed Check #110853 in the amount of \$2,500 for this event, make payable to the "Commonwealth of Pa Clean Water Fund".

Very truly yours,  
Millcreek Township Sewer Authority

By: \_\_\_\_\_  
George W. Riedesel, P.E.  
Executive Director

Cc: M.T.S.A.  
Twp. Supervisors  
Wm. Steff, S.T.S.A.  
Fish & Boat Commission

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MSA-MT 2948

**MILLCREEK TOWNSHIP SEWER AUTHORITY**

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April 15, 2005

Mr. Anthony Oprendeck  
PA DEP  
230 Chestnut Street  
Meadville PA 16335-3481

Mr. Doug Range  
Erie County Health Dept.  
606 West 2<sup>nd</sup> Street  
Erie PA 16507

WCO Tom Edwards  
PA Fish & Boat Commission  
P O Box 814  
Erie PA 16512

RE: April 5, 2005 Bypass  
Kearsarge Pumping Station

Gentlemen:

This is to advise you that on April 5<sup>th</sup> the Assistant Operations Superintendent was required to open the bypass due to melting snow and excessive run-off from approximately 7:20 PM to 10 PM. Due to a short staff the Assistant inadvertently neglected to make the required calls. We regret any inconvenience that this may have caused.

As per our agreed upon normal procedure, a full report will accompany the penalty payment.

Very truly yours,  
Millcreek Township Sewer Authority

By: \_\_\_\_\_  
George W. Riedesel, P.E.  
Executive Director

Cc: Millcreek Township Supervisors  
Millcreek Authority  
R. Bridger  
G. Snyder  
Wm. Steff, S.T.S.A.

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MSA-MT 2949

## CTE

155 West 8th Street, Erie, PA 16501-1086

T 814.453.4394 F 814.453.6596 www.cte.aecom.com

May 11, 2005

Mr. George Riedesel, P.E.  
Millcreek Township Sewer Authority  
3608 West 26<sup>th</sup> Street  
Erie, PA 16506

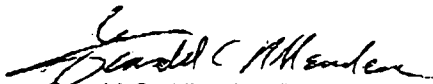
Dear Mr. Riedesel:

Enclosed please find a table summarizing the overflow event at the Kearsarge Pump Station on April 5, 2005. The table tabulates the flow from the pump station, the amount of flow pumped forward to the City of Erie, and the amount of flow bypassed. You will notice again that prior to the bypass being opened, the flow to the City of Erie was greater than 4,500 gpm. This was caused by the increase in suction head as the pump station wet well surcharged.

The flow bypassed was 207,000 gallons. These numbers were obtained by utilizing metered flows less flows estimated to be passed forward to the City. Observed time intervals, when pumping was held constant, were applied to the estimated rates to get the total volume. We also have indicated when the bypass was operated and the wet well flood levels at the time changes were made.

This event appeared to be primarily due to snow melt and thus would be expected to have been primarily impacted by the basement sump pumps that the Authority is actively attempting to remove.

Very truly yours,



Gerald C. Allender, P.E.  
Senior Associate

GCA:lb

Enclosure

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MSA-MT 2950

**KEARSARGE PUMP STATION  
OVERFLOW  
DATE: 4/5/05**

Time	Q Meter (gpm)	1.32 x Meter (gpm)	Interval (minutes)	Forward Flow		Bypass Open (turns)	Bypass (gpm)	$\Sigma$ Bypass (gallon)	Well Well (feet)
				(psi)	(gpm)				
5:55 PM	3,506	4,600	N/A	56	4,600	0	0		11.1
6:10 PM	3,600	4,800	N/A	56	4,800	0	0		11.2
6:40 PM	3,550	4,700	N/A	56	4,700	0	0		11.7
7:20 PM	4,743	6,300	0.00	43	3,400	8	2,900		12.3
7:45 PM	3,500	4,600	25.00	47	3,500	4	1,100	72,500	7.0
8:50 PM	3,600	4,800	65.00	(47)*	3,500	4	1,300	144,000	10.2
10:00 PM	3,365	4,400	70.00	(47)*	3,500	4	900	207,000	7.0
10:00 PM	3,365	4,400			4,400	0	0		7.0
8:15 AM	2,850	3,800	N/A	-	3,800	0	0		6.5

\* ( ) Assumed

N/A - Not Applicable

kearsargepumpstationoverflow 4-5-05.xls

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MSA-MT 2951